

**Curriculum Vitae**

Name **John Wahren**

Date of birth **REDACTED**

Present position Professor of Clinical Physiology,  
Karolinska Institute, Chairman, Dept of  
Clinical Physiology, Karolinska Hospital,  
Stockholm

Present address Department of Clinical Physiology,  
Karolinska Hospital, S-104 01 Stockholm,  
Sweden

**Medical education and postgraduate training**

1956 - 1963 Karolinska Institute, Medical School, Stockholm

1964 - 1967 Intern and resident in internal medicine and  
clinical physiology, Serafimer Hospital, Stockholm

1967 - 1968 Research associate, Harvard Medical School and  
Peter Bent Brigham Hospital, Boston, Mass. USA

1969 - 1973 Physician, Dept of Clinical Physiology,  
Serafimer Hospital

**Academic appointments**

1963 MD, Karolinska Institute, Stockholm

1966 PhD, Karolinska Institute

1966 Assistant Professor of Clinical Physiology, Karolinska  
Institute

1973 - 1976 Professor of Clinical Physiology,  
Chairman, Dept of Clinical Physiology,  
Serafimer Hospital, Stockholm

1976 - 1989 Professor, Chairman, Dept of Clinical Physiology,  
Huddinge Hospital, Stockholm

1981 - 1982 Visiting Professor, Institute of Physiology,  
University of Lausanne, Switzerland

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1989 - Professor, Chairman Dept of Clinical Physiology,  
Karolinska Hospital, Stockholm

#### **Organizations, etc**

1976 - Member of the Nobel Assembly, Karolinska Institute and subcommittees

1993- Vice chairman, Nobel Assembly, Karolinska Institute

1978 - 1985 Member of the Executive Board, and faculty subcommittees, Karolinska Institute

1980 - 1986 Member of the Swedish Medical Research Council, Committee for Physiology

1980 - 1984 Councillor, European Association for the Study of Diabetes

1981 - 1987 Honorary Treasurer and Secretary, European Society for Parenteral and Enteral Nutrition

1979 - 1985 Editor-in-Chief, Clinical Physiology

1985 - Associate Editor, Clinical Physiology

1980 - 1983 Associate Editor, Diabetologia

1983 - 1985 Associate Editor, Nutrition International

#### **Scientific awards**

1976 Alvarenga Award: Swedish Medical Society

1979 Minkowski Award: European Society for the Study of Diabetes

1993 Henry Christian Award for excellence in science, American Federation for Clinical Research

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*John Wahren***Scientific Publications****1982 - 1993**

148. J Wahren. Substrate metabolism during exercise in normal and diabetic man. In: *Current Problems in Clinical Biochemistry: II Diabetes and Exercise*, eds. M Berger, P Christacopoulos and J Wahren. Hans Huber Publishers, Bern, Stuttgart, Vienna, 1982, p. 57-68.
149. R Gunnarsson, H Wallberg-Henriksson, J Henriksson, J Östman and J Wahren. Exercise and physical training in type I diabetes. In: *Skandia International Symposium on Recent Trends in Diabetes Research*, eds H Boström and N Lungstedt. Almqvist & Wiksell, 1982, p. 101-111.
150. S Eriksson, L Hagenfeldt and J Wahren. Intravenous infusion of alfa-ketoisocaproate influence on amino acid and nitrogen metabolism in patients with liver cirrhosis. *Clin Sci* 1982; 62: 285-293.
151. J Wahren, A Juhlin-Dannfelt, O Björkman, R DeFronzo and P Felig. Influence of fibre ingestion on carbohydrate utilization and absorption. *Clin Physiol* 1982; 2: 315-321.
152. P Felig, M S Ali Cherif, A Minagawa and J Wahren. Hypoglycemia during prolonged exercise in normal man. *New Engl J Med* 1982; 306: 895-900.
153. L S Eriksson and J Wahren. Branched chain amino acids what are they good for? *Clin Nutr* 1982; 1: 127-135.
154. H Wallberg-Henriksson, R Gunnarsson, J Henriksson, R DeFronzo, P Felig, J Östman and J Wahren. Increased peripheral insulin sensitivity and muscle mitochondrial enzymes but unchanged blood glucose control in type I diabetics after physical training. *Diabetes* 1982; 31: 1044-1050.
155. L S Eriksson, A Persson and J Wahren. Branched-chain amino acids in the treatment of chronic encephalopathy. *Gut* 1982; 23: 801-806.
156. J Wahren, J Denis, P Desurmont, L S Eriksson, J M Escoffier, A P Gauthier, L Hagenfeldt, H Michel, P Opolon, J C Paris and M Veyrac. Intravenous administration of branched chain amino acids in the treatment of hepatic encephalopathy. In: *Amino Acids: Metabolism and Medical Applications*, eds. G L Blackburn, J P Grant, V R Young. John Wright-PSG Inc., London, 1983, p. 497-500.
157. E Hedfors, G Holm, M Ivansen and J Wahren. Physiological variation of blood lymphocyte reactivity: T-cell subsets, immunoglobulin production and mixed lymphocyte reactivity. *Clin Immunol Immunopathol* 1983; 27: 9-14.
158. R A DeFronzo, E Ferrannini, R Hendler, P Felig and J Wahren. Regulation of splanchnic and peripheral glucose uptake by insulin and hyperglycemia

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in man. *Diabetes* 1983; 32: 35-45.

159. J Wahren, J Denis, P Desurmont, L S Eriksson, J M Escoffier, A P Gauthier, L Hagenfeldt, H Michel, P Opolon, J C Paris and M Veyrac. Is intravenous administration of branched chain amino acids effective in the treatment of hepatic encephalopathy? A multicenter study. *Hepatology* 1983; 3: 475-480.
160. L Hagenfeldt, L S Eriksson and J Wahren. Amino acids in liver disease. *Proc Nutr Soc* 1983; 42: 497-506.
161. J Wahren and L Hagenfeldt. Free fatty acid and ketone body utilization under normal and pathophysiological conditions. In: *Recent Advances in Obesity and Diabetes*, eds. N Melchionda, H Kuzuya and D Schade. Raven Press, New York, 1983, p. 353-365.
162. K Acheson, E Jequier and J Wahren. Influence of beta-adrenergic blockade on glucose-induced thermogenesis in man. *J Clin Invest* 1983; 72: 981-986.
163. L S Eriksson, L Hagenfeldt, P Felig and J Wahren. Leucine uptake by splanchnic and leg tissues in man: Relative independence of insulin levels. *Clin Sci* 1983; 65: 491-498.
164. L S Eriksson, D H Law, L Hagenfeldt and J Wahren. Nitrogen metabolism of the human brain. *J Neurochem* 1983; 41: 1324-1328.
165. E Ferrannini, J Wahren, O K Faber, P Felig, C Binder and R A DeFronzo. Splanchnic and renal metabolism of insulin in man. A dose response study. *Am J Physiol* 1983; 244: E517-E527.
166. H Wallberg-Henriksson, R Gunnarsson, J Henriksson, J Östman and J Wahren. Influence of physical training on formation of muscle capillaries in type I diabetes. *Diabetes* 1984; 33: 851-857.
167. O Björkman, P Felig and J Wahren. The role of basal glucagon levels in the regulation of splanchnic glucose output and ketogenesis in insulin-deficient humans after an overnight and 60 hr fast. *Clin Physiol* 1984; 4: 227-241.
168. L S Eriksson and J Wahren. Do branched chain amino acids have a role in the treatment of hepatic encephalopathy? In: *Hepatic Encephalopathy in Chronic Liver Failure*, ed. L Capocaccia. Plenum Press, New York, 1984, p. 287-300.
169. S Eriksson, D H Law, Y Sato and J Wahren. Influence of somatostatin on splanchnic hemodynamics in patients with liver cirrhosis. *Clin Physiol* 1984; 4: 5-11.

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173. L S Eriksson and J Wahren. Grenade aminosyror och behandling av patienter med levercoma tro eller vetande? *Läkartidningen* 1984; 81: 774-776.
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175. L S Eriksson, B Kågedal and J Wahren. Effect of captopril on hepatic venous pressure and blood flow in patients with liver cirrhosis. *Am J Med* 1984; 76: 66-70.
176. K J Acheson, E Ravussin, J Wahren and E Jequier. Thermic effects of glucose: Obligatory and facultative thermogenesis. *J Clin Invest* 1984; 74: 1572-1580.
177. J Wahren. Pitfalls in the evaluation of therapeutic effects in patients with hepatic encephalopathy. In: *Advances in Hepatic Encephalopathy and Urea Cycle Diseases*. Karger, Basel, 1984, p. 41-46.
178. L S Eriksson, O Björkman, S Broberg and J Wahren. Inter-organ flux of ammonia during physical exercise. In: *Advances in Hepatic Encephalopathy and Urea Cycle Diseases*. Karger, Basel, 1984; p. 180-186.
179. L S Eriksson and J Wahren. How effective are branched chain amino acids in the treatment of patients with liver cirrhosis? In: *Branched Chain Amino and Keto Acids in Health and Disease*. Karger, Basel, 1984; p. 540-542.
180. O Björkman, K Sahlin, L Hagenfeldt and J Wahren. Influence of glucose and fructose ingestion on the capacity for long-term exercise in well-trained men. *Clin. Physiol.*, 1984; 4: 483-494.
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- and R A DeFronzo. The disposal of an oral glucose load in healthy subjects. A quantitative study. *Diabetes*, 1985; 34: 580-588.
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195. R Gunnarsson, H Wallberg-Henriksson, S Rössner and J Wahren. Serum lipid and lipoprotein levels in female type I diabetics: Relationship to aerobic capacity and glycemic control. *Diabetes et Metabolism*, 1987; 13:417-421.
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198. T Brundin, R Söderberg and J Wahren. A versatile technique for multi-channel, digital blood temperature recording in man. *Clin. Physiol.*, 1987; 7:537-540.
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200. J Wahren. Kolhydratomsättning hos människa. I: *Klinisk Nutrition*. red. L S Eriksson, T Mossberg och J Wahren, Norstedts, 1987; 27-36.
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207. A Alvestrand, R A DeFronzo, D Smith and J Wahren. Influence of hyperinsulinemia on intracellular amino acid levels and amino acid exchange across splanchnic and leg tissues in uraemia. *Clin. Sci.*, 1988; 74: 155-163.
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211. M Curvall, E K Vala, J Wahren and C R Enzell. Concentration of cotinine in body fluids as a measure of nicotine intake by nonsmokers. In: *The Pharmacology of Nicotine*. IRL Press, Oxford. Eds. M.J. Rand, K. Thurau. 1988; 32-34.
212. I Magnusson and J Wahren. Mechanisms of hepatic glycogen formation after glucose administration in humans. In: *The pathogenesis of non-insulin dependent diabetes mellitus*. Raven Press, New York. Ed. V. Grill, S. Efendic. Nobel Conference Series 1988; 119-128.
213. J Wahren, C von Euler and L S Eriksson. Effect of indomethacin on leg exchange of amino acids in septic traumatised patients. *Clin. Nutr.*, 1988; 7: 203-206.
214. O Björkman, R Gunnarsson, E Hagström, P Felig, and J Wahren. Splanchnic and renal exchange of infused fructose in insulin-deficient type I diabetic patients and healthy controls. *J. Clin. Invest.*, 1989; 83: 52-59.
215. A Thörne and J Wahren. Beta-adrenergic blockade does not influence the thermogenic response to a mixed meal in man. *Clin. Physiol.*, 1989; 9: 321-332.

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216. L S Eriksson, A Thörne and J Wahren. Diet-induced thermogenesis in patients with liver cirrhosis. *Clin. Physiol.*, 1989; 9: 131-141.
217. A Thörne and J Wahren. Diet-induced thermogenesis in well trained subjects. *Clin. Physiol.*, 1989; 9: 295-305.
218. A Thörne, D Hallberg and J Wahren. Meal-induced thermogenesis in obese subjects before and after weight reduction. *Clin. Physiol.*, 1989; 9: 481-498.
219. L S Eriksson and J Wahren. Intravenous and subcutaneous administration of a long-acting somatostatin analogue: Effects on glucose metabolism and splanchnic hemodynamics in healthy subjects. *Europ. J. Clin. Invest.*, 1989; 19: 213-219.
220. I Magnusson, V Chandramouli, WC Schumann, K Kumaran, J Wahren and B R Landau. Pathways of hepatic glycogen formation in humans following ingestion of a glucose load in the fed state. *Metabolism*, 1989; 38: 583-585.
221. I Magnusson, R Kihlberg, A Alvestrand, J Wernerman, L Ekman and J Wahren. Utilization of intravenously administered N-acetyl-L-glutamine in humans. *Metabolism*, 1989; 38; Suppl 1:82-88.
222. K Giesecke, I Magnusson, M Ahlberg, L Hagenfeldt and J Wahren. Protein and amino acid metabolism during early starvation as reflected by excretion of urea and methylhistidines. *Metabolism*, 1989; 38: 1196-1200.
223. J Östman, J Bolinder, R Gunnarsson, C Brattström, G Tydén, J Wahren and C-G Groth. Effects of pancreas transplantation on metabolic and hormonal profiles in IDDM patients. *Diabetes* 1989; 38:88-93.
224. I Magnusson, L Ekman, M Wängdahl and J Wahren. N-acetyl-L-tyrosine and N-acetyl-L-cysteine as tyrosine and cysteine precursors during intravenous infusion in humans. *Metabolism*, 1989; 38:957-961.
225. M Soop, E Forsberg, A Thörne, G Cederblad, L Hagenfeldt and J Wahren. Effect of carnitine supplemented TPN on turnover and muscle utilization of free fatty acids in patients with persistent postoperative infection. *Clin. Nutrition.*, 1989; 8: 151-160.
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- glutamine metabolism. In: Perspectives in clinical nutrition, ed. JM Kinney, PR Borum, Urban & Schwartzberg. 1989; 99-112.
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235. H Wallberg-Henriksson and J Wahren. Clinical implications of exercise in diabetes mellitus. 13th International Diabetes Federation Congress, 20-25 November 1988, Sydney, Australia.
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263. BR Landau, WC Schumann, V Chandramouli, I Magnusson, K Kumaran, and J Wahren. Metabolism of  $^{14}\text{C}$ -labeled propionate and its use in assessing rates of hepatic gluconeogenesis relative to Krebs cycle flux *in vivo*. *Am J Physiol*, in press 1993

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